



Visit Tucson Water at the Show

When you attend the 2013 Spring Home & Patio Show, Friday-Sunday, April 5-7 at the Tucson Convention Center, make sure you visit Tucson Water's space (in the '800' aisle). Get a bag and pick out free stuff including conservation activity books and giveaways for kids, plant and landscape guides, Water Reliability pamphlets, rainwater gauges, rebate info, and more. Plus, we'll have experts on hand throughout the Show to answer your water-related questions.

Contact the Southern Arizona Home Builders Association (SAHBA) at (520) 795-3025 or sahbahomeshow.com for show hours, exhibitors list, parking maps, discounts and more.

Pledge April 1-30

National Mayor's Challenge for Water Conservation

Mayor Jonathan Rothschild would like residents to "Take the Pledge" and earn Tucson the distinction of being a leading water-wise city in America. In 2012, Tucson placed 6th in this friendly, nationwide competition. Find out more at tucsonaz.gov/water/take-the-pledge or at (520) 791-4331.

Other Upcoming Water-Worthy Events

- March 18-24 – Fix a Leak Week (tucsonaz.gov/water/fix-leak-week)
- Watch for the Millionth Acre Foot Celebration at Clearwater this Spring
- April 1-30 – Water Awareness Month (waterawarenessmonth.com)
- April 21 – 4th Annual Tucson Water Festival and Earth Day (waterfestivaltucson.org)

If you would like more event information and don't have internet access, call Tucson Water at (520) 791-4331 and we'll mail it to you.

Your Water CONNECTION

UA & the Utility Work Together

Tucson Water and The University of Arizona (UA) have been collaborating together for decades on research, policy and real-world operational issues around water and the environment. It's a dynamic partnership with positive impact for both entities – and often for our community:



*Alan Forrest
Director, Tucson Water*

- **Productive research:** Tucson Water, the UA, and others are field testing new security technology, studying emerging contaminants, and examining ways to expand renewable water supplies. Tucson Water, the UA, and IBM are working together now on the Smarter Cities Challenge grant to study how new water meter technology and the utility's control system can provide customers with better service and real time water usage information. Research often creates new funding sources and more efficient operations.
- **Interns and local source of talent:** UA interns work with Tucson Water's hydrologists, scientists, technology experts, and engineers, garnering valuable work experience. We have access to locally-educated talent that often becomes a part of our workforce.
- **Service and consultation:** UA administrators and instructors – active and retired – participate on the Citizens Water Advisory Committee (CWAC) and other groups that guide Tucson Water policy and rates.

In this newsletter, you'll meet Dr. Sharon Megdal, Director of The University of Arizona Water Resources Research Center, and get a glimpse into the UA-Tucson Water partnership.



PIMA COUNTY

Ina Road Upgrade and Expansion Project Progresses

The Pima County Regional Wastewater Reclamation Department (PCRWRD) must meet environmental standards mandated by the Arizona Department of Environmental Quality (ADEQ), the agency that regulates the way Pima County conveys and treats the community's wastewater.

The Regional Optimization Master Plan (ROMP) has been developed to meet ADEQ-mandated standards to reduce nitrogen and ammonia levels in effluent. Effluent is treated wastewater that has been cleaned and is safe to return to the environment.

The ROMP is a multi-faceted project that will allow PCRWRD to meet these new ADEQ standards and to provide enough wastewater treatment capacity to meet the metropolitan area's wastewater needs through the year 2030. To date, two major components of the ROMP program are complete:

- The construction of a five-mile long, 72-inch pipeline.
- The construction of a state-of-the-art laboratory.



ROMP projects that are still under way include the construction of a new facility to replace the existing 60-year-old Roger Road Wastewater Reclamation Facility (WRF) and the upgrade and expansion of the Ina Road WRF.

The expansion and upgrade of the Ina Road WRF is being completed in phases. Prior to the ROMP, the capacity at the Ina Road WRF was 37.5 million gallons per day (mgd). Phase one, an 8.3 mgd expansion, was put into operation in September 2012. Additional expansions will continue until the Ina Road facility has a capacity of 50 mgd. Improvements to the Ina Road WRF are slated to be complete January 2014.

CITY OF TUCSON

If you lost plants during the freeze...

You are not alone. This winter's below-freezing temperatures damaged numerous cacti, plants and trees – many of which will be part of the yard waste and debris picked up during Environmental Services' Brush and Bulky Collection Program (B&B). With that in mind, here are some B&B requirements we need you to follow to provide quality, timely and safe service.



- Contain cactus. B&B crews are seeing lots of dead cactus lost due to freezing temperatures. For cactus to be B&B-ready, it must be boxed, bagged, or tarped. If cactus isn't contained, it may not be picked up because of the risk of injury to the collection crew.
- No tree trunks and limbs longer than 5 feet.
- DO NOT place materials on top of water or gas meters. If B&B materials cover up meters, collection equipment may cause damage.
- Check your reminder door hanger to ensure you are putting out materials that will be collected by the B&B crew.
- Don't place B&B materials out in front of your home or in the alley behind your home earlier than two weeks before your slated collection date.
- Separate tires from the rest of your materials.
- The B&B crew will collect up to 10 cubic yards of material – about the size of 10 washing machines!
- Remember if you don't have a B&B collection scheduled soon, you can order on-demand service for a fee by calling customer service.

Take advantage of B&B and find out more: schedules are available at www.tucsonaz.gov/esd or by calling customers service at (520) 791-3171. Use the 'my-waste' smartphone app to calendar your B&B collection dates and to send you a reminder.

Your utilities services statement includes fees for your water, wastewater, and environmental services.

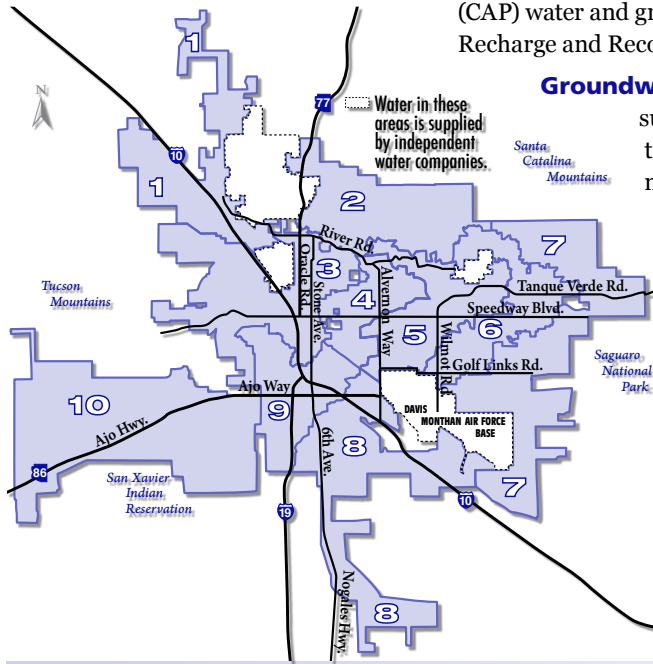
The Pima County Regional Wastewater Reclamation Department (PCRWRD) – For more information about the regional wastewater system, call (520) 740-6500 or visit pima.gov/www.

Environmental Services (ES) – Learn about how ES is protecting our groundwater and the environment at tucsonaz.gov/esd and (520) 791-3171.

Water Quality report

January 2013

More than 20,000 individual water quality tests are performed annually on the drinking water derived from two sources: 1) groundwater and 2) the blend of recharged Central Arizona Project (CAP) water and groundwater from the Clearwater Recharge and Recovery Facility (CRRF).



Groundwater Source Report – Less than 5% of our total water supply comes from pumping native groundwater wells in the Tucson metropolitan area. These test results reflect the main distribution system, divided into 10 zones:

test results

*mg/L means milligrams per liter
1 mg/L = 1 teaspoon in 1,302 gallons
SP = Sample Points

Zones	Sodium (mg/L*) 76 SP	Mineral Content (mg/L*) 241 SP	Hardness (mg/L*) 76 SP	pH Level (S.U.) 241 SP	Temperature (deg°F) 241 SP
1	50	348	180	7.8	68
2	56	392	193	8.0	69
3	48	360	166	7.8	67
4	39	282	129	7.8	69
5	49	337	162	7.8	68
6	46	386	176	7.9	68
7	42	337	156	8.0	67
8	49	432	225	7.7	68
9	57	368	187	7.9	71
10	53	353	172	7.8	70
Avg	48	359	173	7.9	68

The U.S. Environmental Protection Agency (USEPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

coliform

EPA standards for positive samples

Positive results
243 samples



chlorine

EPA Standard
Max. 4.0 mg/L

Actual Average
243 samples 0.9 mg/L

Tucson Water
target
average
0.8 to 1.2
mg/L

Clearwater Report – More than 50% of our total water supply is a blend of recharged CAP water and native groundwater from the CRRF. Using this recovered blended water means that we reduce groundwater pumping.

Sodium	68 mg/L	(Dec. 28, 2012)
Mineral Content	396.8 mg/L	(Jan. 1, 2013)
Hardness	250 mg/L	(Dec. 28, 2012)
pH	7.64 S.U.	(Jan. 8 – Feb. 10, 2013 avg.)
Coliform Bacteria	Negative	(Dec. 28, 2012)
Chlorine Level	0.92 mg/L	(Jan. 8, 2013)
Temperature	69.32°F	(Jan. 8 – Feb. 10, 2013 avg.)

To obtain water quality information, go to tucsonaz.gov/water and click on the Water Quality tab for maps, FAQs, definitions, reports, online monitoring station results, and more. Call (520) 791-4331 to schedule speakers, ask for an Annual Water Quality Report, or to request brochures.

Focus on UA-Utility Partnership

Director of the University of Arizona Water Resources Research Center (WRRC) Sharon B. Megdal has a unique combination of water-related experience: past director of a water district, decades of teaching and research, published author, plus several positions on state and regional boards. For this distinguished professor, “Teaching, research, outreach – everything connects to community and improving water resources for our region.”

Megdal, a Tucson resident for 30 plus years, has seen firsthand the positive impact of bringing together the UA, Tucson Water, utilities, educators, government, businesses, and community members. Among a score of successful projects with Tucson Water, the UA and the WRRC, Megdal highlights two:

- **Arizona Project WET curriculum teaches educators and K-12 students** with Tucson Water’s Sweetwater Wetlands as an outdoor learning center. Since 2007 alone, 2449 teachers and 17,000 third-grade students have toured the Wetlands to learn about water conservation, supply and quality.
- **Launching Conserve to Enhance to save water and support open space and riparian environments.** With the Sonoran Institute, the Watershed Management Group, and Tucson Water, the WRRC created this voluntary donation program – the first of its kind in the nation. The results of the pilot are in: 58 participants saved 1.9 million gallons of water and donated funds to restore the Atturbury Wash.

“I teach a graduate course on water policy that includes students from geography, planning hydrology, law and environmental science. We take a field trip to Tucson Water’s Clearwater Facilities and Sweetwater Wetlands. Staff guide the tours and share expertise,” said Megdal. The UA and WRRC also share talent with Tucson Water. The associate director of WRRC is on the utility’s Citizens Water Advisory Committee and Megdal represents Tucson and Pima County on the board of the Central Arizona Project.

According the Megdal, our history of collaborating will serve us well going forward – especially when it comes to having reliable water supplies that will make us less vulnerable to future shortages. “We need to continue to do what’s right for our community and come together to ensure we have a secure water future.”



Quick Profile:

Dr. Sharon B. Megdal

- Tucson Water customer for 30+ years
- Director of The University of Arizona Water Resources Research Center
- Endowed Professor in the College of Agriculture and Life Sciences
- Professor, Department of Soil, Water and Environmental Science
- Co-Director of The University of Arizona Water, Environmental and Energy Solutions Program
- Named Distinguished Outreach Professor 2010
- Teaches multi-disciplinary graduate course, Arizona Water Policy
- Represents Tucson & Pima County on the Central Arizona Project Board of Directors
- Ph.D. degree in Economics from Princeton University

SCAN



CLICK



tucsonaz.gov/water

WATCH



youtube.com/user/tucsonwater

ESPAÑOL



(520) 791-4331

CALL



(520) 791-4331

MAIL



Tucson Water
P.O. Box 27210
Tucson, AZ 85726-7210

TDD



(520) 791-2639